**Year 8 Science Revision – Acids and Bases:**

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| 1. List at least three uses of acids and 3 uses of bases. | | | | | | | | | | | | | | |
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| 1. What causes heart burn? | | | | | | | | | | | | | | |
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| 1. How do antacids work? | | | | | | | | | | | | | | |
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| 1. Fill in the following pH scale: | | | | | | | | | | | | | | |
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| pH | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Acid/Base |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 1. Looking at the following pH values indicate whether the substance is a strong or weak acid or base or if it is neutral: | | | | | | | | | | | | | | |
| * 1. pH = 12 | | | | | | | | | | | | | | |
| * 1. pH = 6 | | | | | | | | | | | | | | |
| * 1. pH = 7.4 | | | | | | | | | | | | | | |
| * 1. pH = 7 | | | | | | | | | | | | | | |
| * 1. pH = 1 | | | | | | | | | | | | | | |
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| 1. What is a peptic ulcer and how do we treat it? | | | | | | | | | | | | | | |
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| 1. Complete the equations: | | | | | | | | | | | | | | |
| * 1. Acid + Carbonate > | | | | | | | | | | | | | | |
| * 1. Acid + Metal > | | | | | | | | | | | | | | |
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| 1. If your eyes sting in a swimming pool what does it mean in terms of acids and bases? How can this be fixed? | | | | | | | | | | | | | | |
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| 1. Find out 3 animals that have acidic venom. | | | | | | | | | | | | | | |
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| 1. Find out 3 animals that have basic venom. | | | | | | | | | | | | | | |
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| 1. What is the cause of acid rain? | | | | | | | | | | | | | | |
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| 1. What damage does it cause? | | | | | | | | | | | | | | |
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